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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/939,640	08/28/2001	Goroku Okawa	P 265244 57380-US-KK/nh	4436
909	7590	01/27/2005	EXAMINER	
PILLSBURY WINTHROP, LLP P.O. BOX 10500 MCLEAN, VA 22102			ADDISON, KAREN B	
			ART UNIT	PAPER NUMBER
			2834	

DATE MAILED: 01/27/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

09/939,640

Applicant(s)

OKAWA, GOROKU

Examiner

Karen B Addison

Art Unit

2834

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 01 January 2004.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-27 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1-14, 17-25 and 27 is/are allowed.
- 6) ☒ Claim(s) 15 and 16 and 26 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All    b) ☐ Some \*    c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

**DETAILED ACTION**

***Allowable Subject Matter***

Claims 1-14, 17-25 and 27 are allowed.

The following is a statement of reasons for the indication of allowable subject matter:

Prior art fails to show a bolt having an enlarged diameter pad for fixing the stator core to the housing by pressing one axial end portion of the stator core by the enlarged diameter part, and an intermediate member provided at a contact portion between the enlarged diameter part of the bolt and the axial end portion of the stator core, the intermediate member being softer than the enlarged diameter part of the bolt, wherein the intermediate member is deformed at a contact portion with the enlarged diameter part by being pressed with the bolt in the axial direction and the intermediate member is deformed in a depressed manner by reducing an axial height of the intermediate member at the contact portion and keeping an axial height at a portion other than the contact portion. Prior art also fails to show, the bolt having an enlarged diameter part for fixing the stator core to the housing by pressing one axial end portion of the stator core by the enlarged diameter part, wherein, the stator core has a cavity only at a radially outermost axial end portion of the stator core, and the enlarged diameter part contacts the stator core in the cavity and the bolt is disposed on the housing located radially outside of the stator core.

***Claim Rejections - 35 USC § 102***

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 15-16 and 26 are rejected under 35 U.S.C. 102(e) as being anticipated by Nakamura (6337530).

Nakamura discloses an rotary electric machine in fig. 1- 8 comprising a housing (4,5), a stator core(32) disposed in the housing , a bolt(13) having an enlarge diameter part for fixing the stator to the core(FIG.3) of the housing by pressing one axial end portion of the stator core by the enlarged diameter part, wherein the stator core(32) has a cavity(38) at a radially outermost axial end portion of the stator core, and the enlarge diameter part of the bolt(13) contacts the stator core at a radially outermost axial end portion of the stator core(fig.3), and the housing located radially outside of the stator core, wherein the housing(fig.1 and 2) further comprises: a cylindrical portion(B) accommodating the stator core(32); a bolt hole(38) for receiving the bolt formed on the cylindrical portion of the housing, the bolt having a threaded portion that is shorter than an axial length of the stator core(32) and is located within a radial outside area of the stator core; a bearing box(A) in which a bearing is supported ; and a radial support rib(9) extending in a radial direction to connect the bearing box and the cylindrical

portion(B), wherein the bolt is formed on a portion of the housing, to connect the bearing box and the cylindrical portion(B). Nakamura also show, the cylindrical portions (B) having a thick portion (see fig.1) having a radial thickness thicker than another portion of the cylindrical portion(C see fig.1) and the radial support rib is connect to the thick portion and the bolt portion is formed of the thick portion.

### ***Response to Arguments***

3. Applicant's arguments filed 11/1/04 have been fully considered but they are not persuasive.

In response to the applicant's argument that, Nakamura fails to disclose a bolt having an enlarged diameter part for fixing the stator core to the housing by pressing one axial end portion of the stator core by the enlarged diameter part for fixing the stator core to the housing by pressing one axial end portion of the stator core by the enlarged diameter part, wherein the stator core has a cavity at a radially outermost axial end portions of the stator core, and the enlarged diameter part contacts the stator in the cavity and the bolt is disposed on the housing located radially outside the stator core, wherein the housing further comprises a bolt hole having a threaded portion that is shorter than the axial length of the stator core and is located within a radial outside of the stator core is noted.

However, Nakamura clearly shows a rotor electric machine in figs.1-3 having a stator core(32) disposed in the housing, a bolt(13) having an enlarged diameter part for fixing the stator to the core(FIG.3) of the housing by pressing one axial end portion of the stator core by the enlarged diameter part, wherein the stator core(32) has a cavity(38)

at a radially outermost axial end portion of the stator core, and the enlarge diameter part of the bolt(13) contacts the stator core at a radially outermost axial end portion of the stator core(fig.3), and the housing located radially outside of the stator core, wherein the housing(fig.1 and 2) further comprises: a cylindrical portion(B) accommodating the stator core(32); a bolt hole(38) for receiving the bolt formed on the cylindrical portion of the housing, the bolt having a threaded portion that is shorter than an axial length of the stator core(32) and is located within a radial outside area of the stator core.

In response to the applicant's arguments that Nakamura bolt does not contact the stator core at any point is noted.

However, Nakamura clearly show the bolt (13) in contact with the stator core (32) in fig.3.

In response to the applicant's arguments, that Nakamura specification identifies reference 52 as a bolt hole in the framed portion that receive the bolt is noted.

However, the specification of Nakamura (6337530) identifies reference number 52a the through hole of the flange. The specification also states through-bolt(13) is place between the recess 38(which means opening) . (Col. 6 line 50-60)

### ***Conclusion***

4. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not

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mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Karen B Addison whose telephone number is 571-272-2017. The examiner can normally be reached on 8:00 to 4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Darren Schuberg can be reached on 571-272-2204. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

KBA  
1/18/04

  
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